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|-----------------|-------------|----------------------|---------------------|------------------|
| 09/904,686 | 07/13/2001 | Hiroyo Masuda | FUJY 18.847 | 5599 |

7590 01/22/2008
KATTEN MUCHIN ZAVIS ROSENMAN
575 MADISON AVENUE
NEW YORK, NY 10022-2585

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| EXAMINER |
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ADE, OGER GARCIA

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| ART UNIT | PAPER NUMBER |
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3627

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01/22/2008

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

09/904,686

Applicant(s)

MASUDA ET AL.

Examiner

GARCIA ADE

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 30 October 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-7 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____.

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DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on October 30th, 2007 has been entered.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.

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4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

4. Claims 1-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yamamoto [US 6,078,663], and further in view of Ehlers et al. [US 6,216,956].

As per claims 1-7, Yamamoto discloses selecting when starting a packet communication as the communication service [see abstract (e.g. **communication device**) from a first accounting method, a second accounting method, and a third accounting method that are displayed on the terminal device [see abstract (e.g. **accounting circuit for calculating**), see summary of the invention (e.g. **quantity of data to be enciphered**), and see figure 9 (e.g. **communication terminal that has a display device**)] wherein the first accounting method is a method where an accounting quantity is calculated based on a number of sent/received packets on the packet communication [see figure 1, via computing unit (e.g. **block 20**)], the second accounting method is a method where an accounting quantity is calculated based on quantity of sent/received packets on the packet communication [see summary of the invention (e.g. number of **calculations** that are performed for enciphering, i.e., information, such as the **quantity of data**, the number of cryptographic keys and the **number of feedback calculations**)]; and the third accounting method is a method where an accounting quantity is calculated based on time of the packet communication [see summary of the invention (e.g. as for data in a large quantity, such as image data, for which **high speed real-time** is required)]; performing the packet communication between the terminal device and a network [see summary of the invention (e.g. provided is a cryptographic

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communication system, which permits a **plurality of terminals on a network to communicate enciphered data** and selects an enciphering system));

calculating during the packet communication, each of the accounting quantities corresponding to said at least two accounting methods with respect to the packet communication at the terminal device in parallel [see figure 1, via computing unit 20 (e.g. **calculation amount**)], and displaying calculation results of each of the accounting quantity of said at least two accounting methods on the terminal device [see figure 9 (e.g. **communication terminal that has a display device**)]; and selecting after finishing the packet communication, as an accounting method to be applied to the packet communication, one of said at least two accounting methods, based on the displayed accounting quantities [see summary of the invention (e.g. **selection means** for selecting an enciphering rate for the encipher transmission means)]. a default accounting method selected by a subscriber

Yamanoto does not explicitly disclose the step of outputting an alarm when at least one accounting quantity corresponding to one of said at least two accounting method reaches a predetermined threshold value. However, Ehlers discloses the step of outputting an alarm, when at least one accounting quantity corresponding to one of said at least two accounting method reaches a predetermined threshold value [via **process function 35** provides a system monitoring and **alarm process** (e.g. an intrusion alarm system via a communications channel)].

Therefore it would have been obvious to a person having ordinary skill in the art at the time the invention was made to modify Yamanoto to include the step of

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outputting an alarm. Such a modification would provide a mechanism for activating an alarm when the accounting quantity corresponding to a computation method when reaches a value.

Response to Arguments

5. Applicants' arguments filed on October 30th, 2007 have been fully considered but they are not persuasive.

Applicants argue that Yamamoto does not teach selection of at least tow of the accounting methods. The Examiner respectfully disagrees. Yamamoto discloses a communication device that comprises an enciphering transmitter for enciphering data and transmitting enciphered data, a method counter for obtaining a count of a quantity of enciphered data, and an accounting method circuit for calculating, in accordance with the count held by the counter, an amount to charge a user for the data [see abstract]. Yamanoto does not explicitly disclose an alarm when at least one accounting quantity corresponding to one of said at least two accounting method reaches a predetermined threshold value. However, Ehlers discloses an occupancy sensor or an interface with an occupancy knowledgeable device, such as an intrusion alarm system via a communications channel [see figure 3].

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to GARCIA ADE whose telephone number is (571)272-5586. The examiner can normally be reached on M-F 8:30AM - 5PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Florian Zeender can be reached on 571.272.6790. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Garcia Ade
Examiner
Art Unit 3627

ga

/Andrew Joseph Rudy/

Primary Examiner, Art Unit 3627